APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Research on Thermodynamic Properties of Materials, by V. A. Kirillin, A. Ye. Sheyndlin.

RUSSIAN, bk, Issledovaniya Termodinamicheskikh Svoystv Veshchestv, Moscow, 1963, pp 1 - 564.

* Scripta Technica

Sci - Chem
Jan 64

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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S-15/64

Chapter Eight. Melting, Vaporization, Sublimation, Crit
Critical Phenomena From [Research on Thermodynamic
Properties of Materials], by V. A. Kirillin,
A. Ye. Sheyndlin, (M-4992).

RUSSIAN, Bk, Issledovaniya Termodinamicheskikh
Svoystv Veshchestv, Moscow, 1963, pp 485-550.

*JPRS/NY-7

Sci- Chem
Jan 64

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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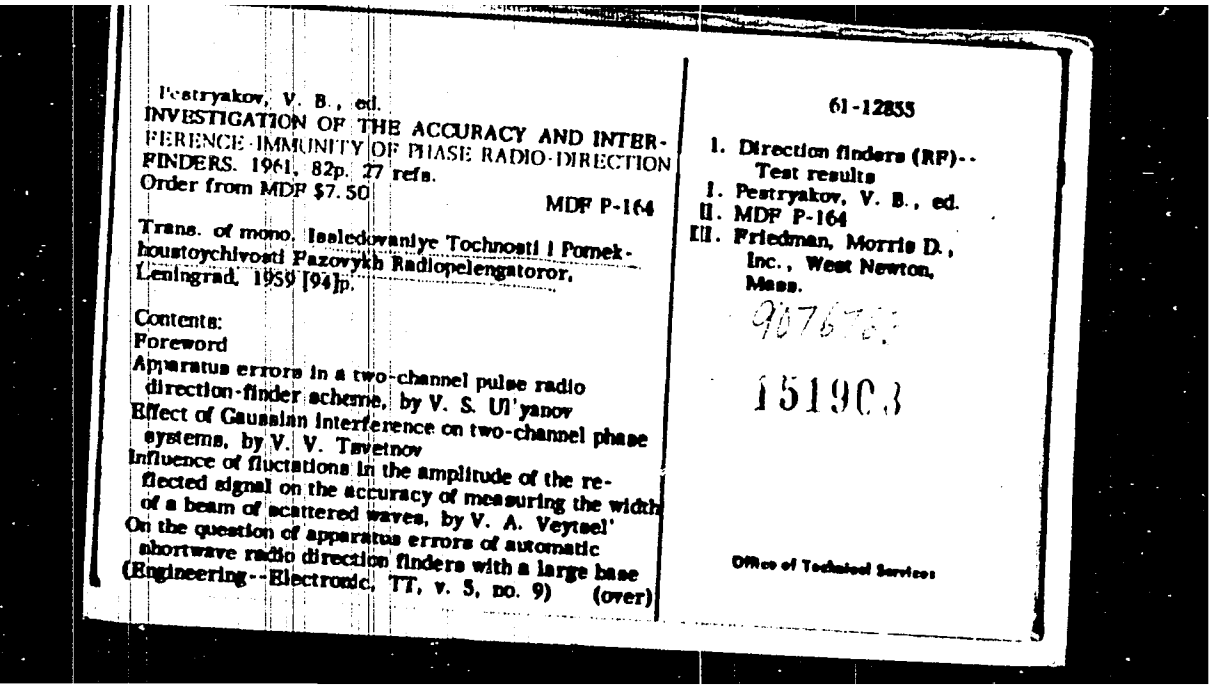

Pestryakov, V. B., ed.
INVESTIGATION OF THE ACCURACY AND INTERFERENCE-IMMUNITY OF PHASE RADIO-DIRECTION FINDERS. 1961. 82p. 27 refs.
Order from MDF $7.50
MDF P-164

Trans. of mono. Issledovaniye Tochnosti i Pomekhoustoychivosti Fazovykh Radiopelengatorov, Leningrad, 1959 [94]p.

Contents:
Foreword
Apparatus errors in a two-channel pulse radio direction-finder scheme, by V. S. Ul'yanov
Effect of Gaussian interference on two-channel phase systems, by V. V. Tsvetnov
Influence of fluctations in the amplitude of the reflected signal on the accuracy of measuring the width of a beam of scattered waves, by V. A. Veytsel'
On the question of apparatus errors of automatic shortwave radio direction finders with a large base
(Engineering--Electronic, TT, v. 5, no. 9) (over)

61-12855

1. Direction finders (RF)--Test results
I. Pestryakov, V. B., ed.
II. MDF P-164
III. Friedman, Morris D., Inc., West Newton, Mass.

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151903

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Ivanov, D. P. and Kirillov, V.D.
INVESTIGATION OF A TOROIDAL DISCHARGE IN A RAPIDLY VARYING LONGITUDINAL MAGNETIC FIELD. Mar 60, 21p. 10 refs.
Order from OTS $0.50 AEC-tr-4182

Trans. of mono. Issledovaniye Toroidal'nogo Razryada v Bystromenyayushchemsya Prodol'nom Magnitnom Pole, Moscow, 1960.

DESCRIPTORS: *Plasma physics, Magnetic fields, *Magnetic pinch, Conductivity, Configuration, Mathematical analysis.

It is shown that with a rapidly increasing longitudinal magnetic field it is possible to obtain a plasma pinch separated from the walls. When the direction of the strong magnetic field changes, a configuration is formed, in which strong magnetic fields inside and outside the plasma pinch are directed opposite to each other. (Author)
(Physics--Theoretical, TT, v. 6, no. 1)

61-31135

I. Ivanov, D. P.
II. Kirillov, V. D.
III. AEC-tr-4281
IV. Joint Publications Research Service, New York

16189

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Installation for Testing Compressors and Turbines, by V. I. Gaygerov, Ye. N. Denezhkin, 46 pp.
RUSSIAN, per, Issledovaniye Transportnykh Gazoturbinnykh Dvigateley i Agregatov Naddduva Dizeley, No 3, 1957, pp 88-127.
P100073267
FTD-HT-66-372

Sci - Elect & Elec Engr
Mar 67

320,565

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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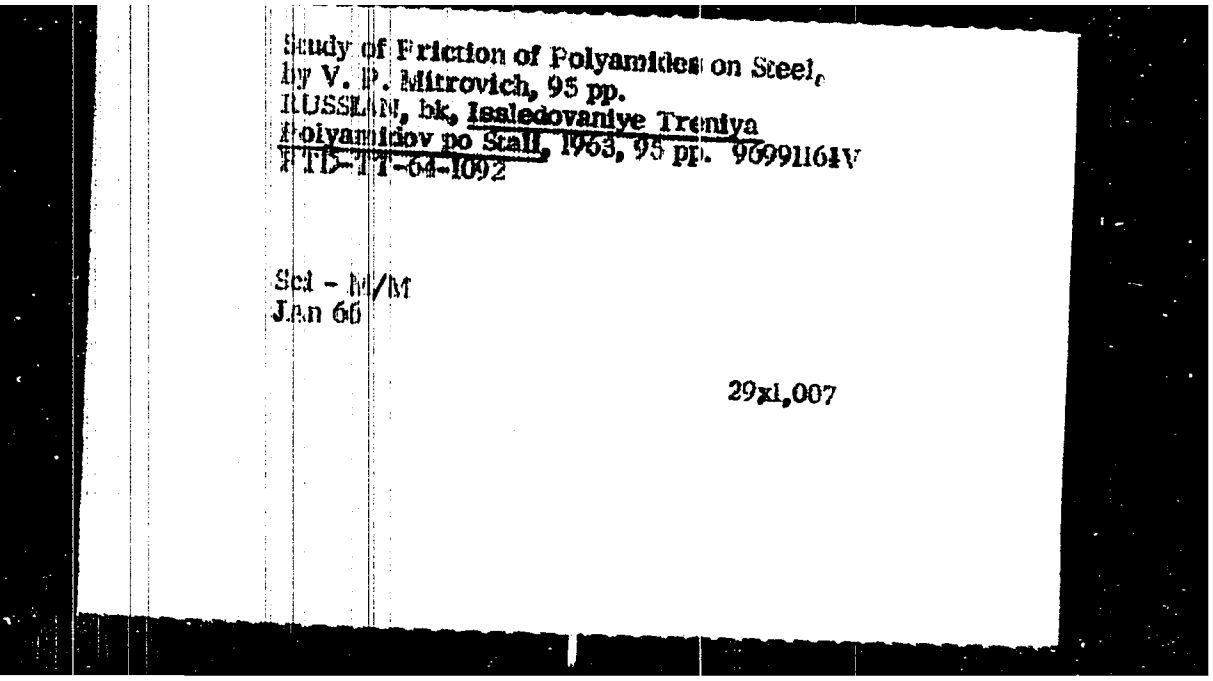

Study of Friction of Polyamides on Steel,
by V. P. Mitrovich, 95 pp.
RUSSIAN, bk, Issledovaniye Treniya
Poliyamidov po Stali, 1963, 95 pp. 96991164V
FTD-TT-64-1092

Sci - M/M
Jan 66

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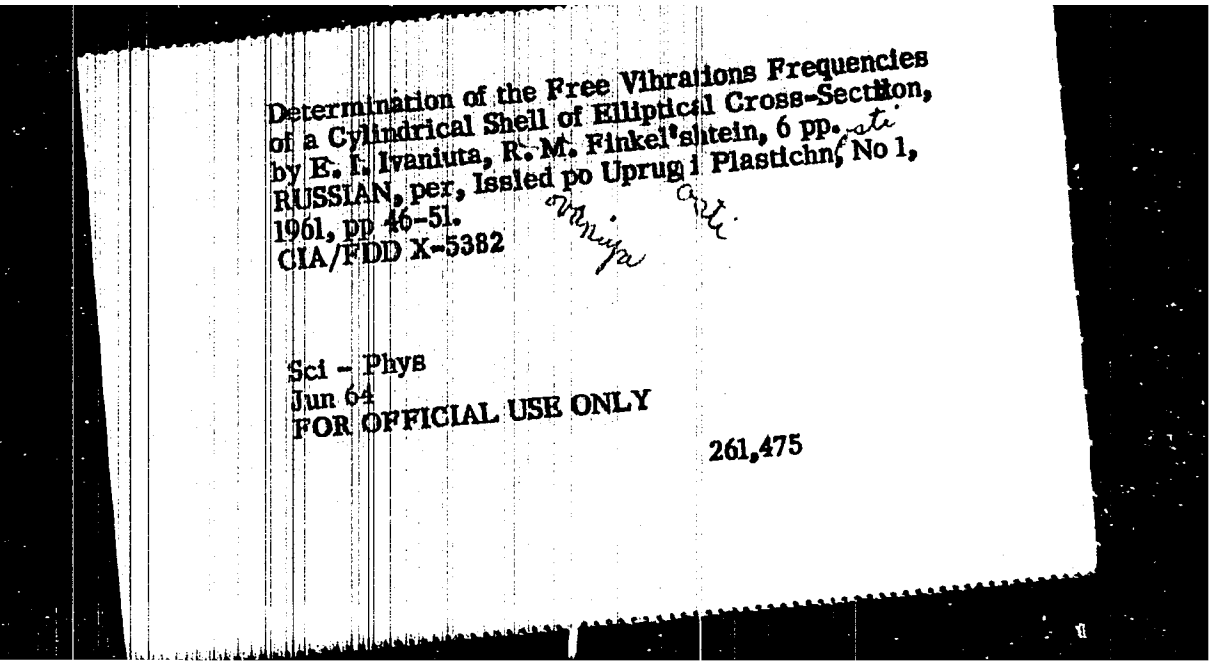

Determination of the Free Vibrations Frequencies of a Cylindrical Shell of Elliptical Cross-Section, by E. I. Ivaniuta, R. M. Finkel'shtein, 6 pp. RUSSIAN, per, Issled po Uprug i Plastichn, No 1, 1961, pp 46-51.
CIA/FDD X-5382

Sci - Phys
Jun 64
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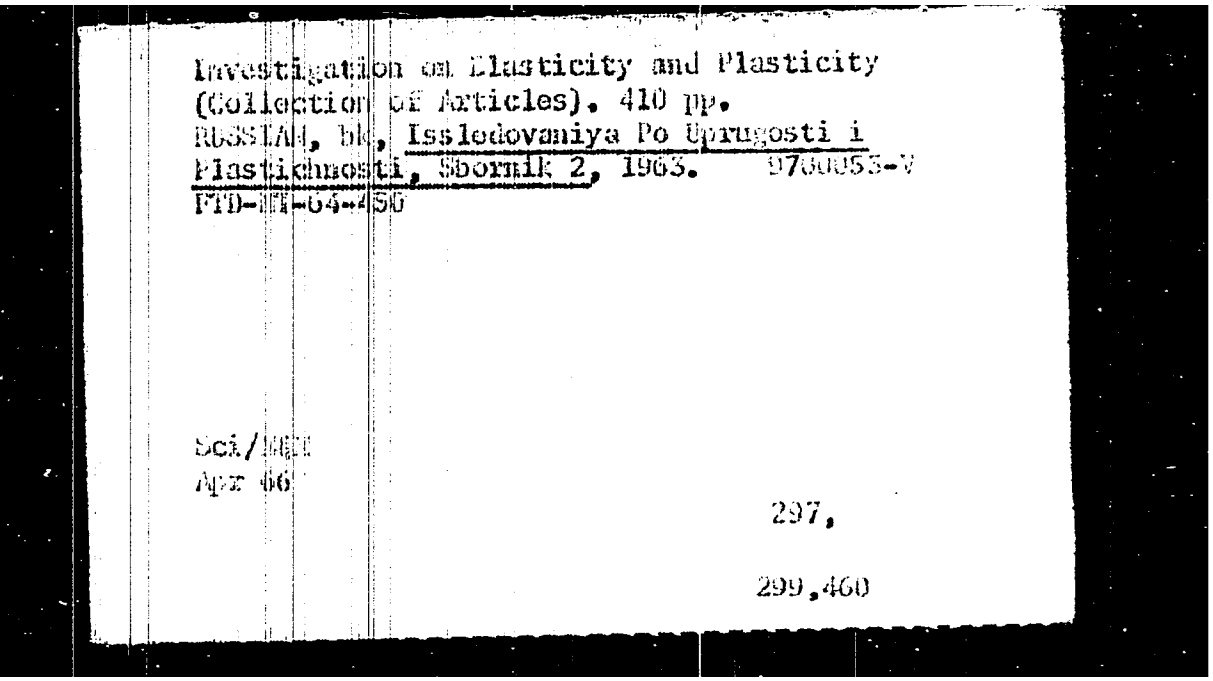
APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1



Investigation on Elasticity and Plasticity (Collection of Articles). 410 pp. R&STAM, bk., Issledovaniya Po Uprugosti i Plastichnosti, Sbornik 2, 1963. 9780053-V FTD-TT-64-456

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Apr 66

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299,460

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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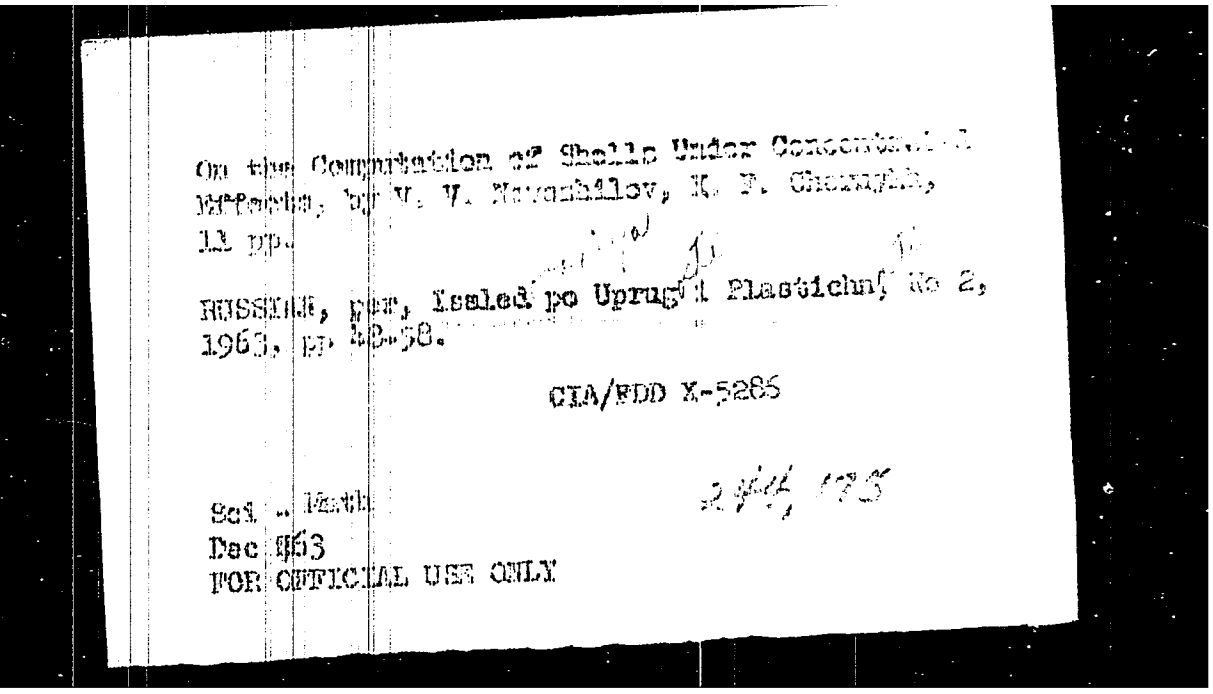

On the Computation of Shells Under Concentrated
[illegible], by V. V. Novozhilov, K. F. Chernykh,
11 pp.

RUSSIAN, PMM, Izdatel'stvo Uprugoy i Plasticheskoy Tel, No 2,
1963, pp 32-38.

CIA/FDD X-5285

Sci - Math
Dec 1963
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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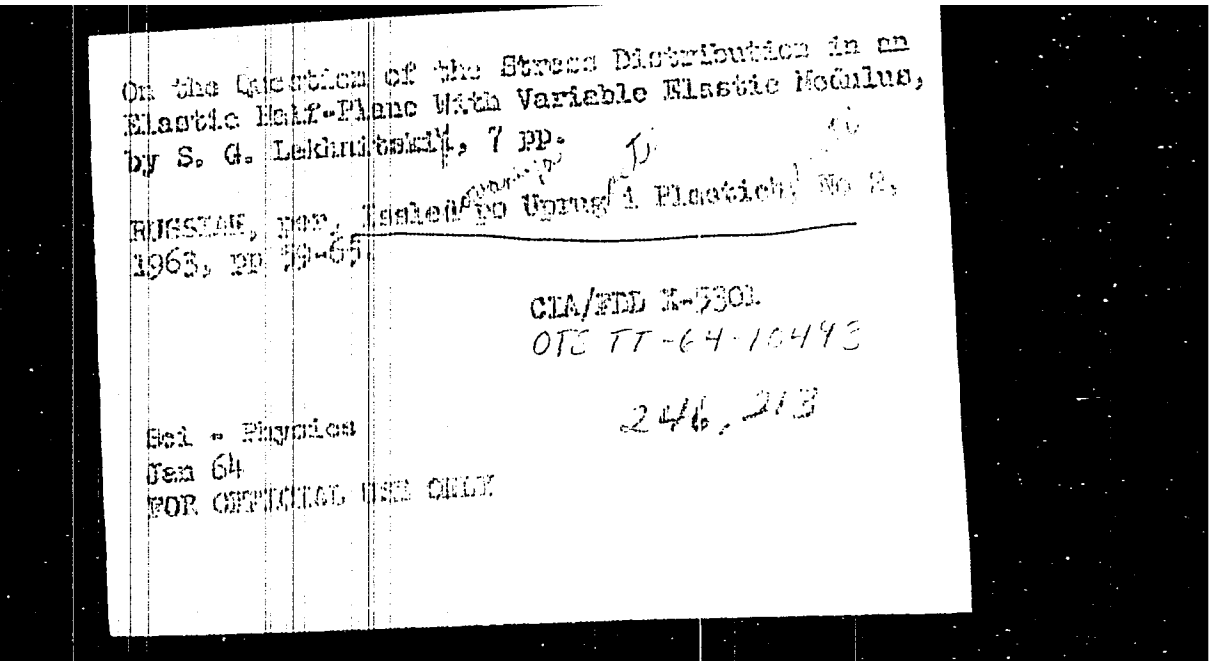

On the Question of the Stress Distribution in an Elastic Half-Plane With Variable Elastic Modulus, by S. G. Lekhnitskiy, 7 pp.

RUSSIAN, Per, Izdatel'stvo Vyssh Uchebn Zavedeniy Fizika, No 2, 1963, pp 59-65.

CIA/FDD T-930.
OTS TT-64-16493

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Sci - Physics
Jan 64
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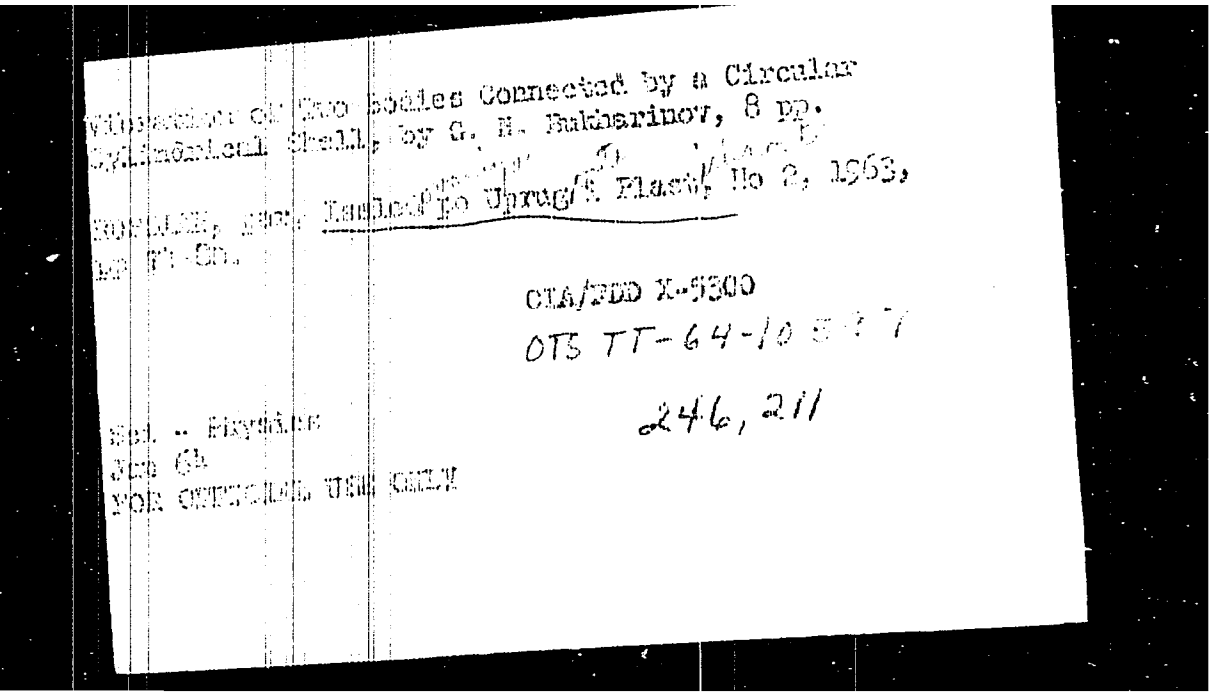

Vibration of Two Spheres Connected by a Circular Cylindrical Shell, by G. N. Bukharinov, 8 pp.

Kolebaniya [illegible] Soyedinennykh Kruglym Sterzhnem, No 2, 1963, pp 71-78.

CIA/FDD X-5300

OTS TT-64-10 [illegible]

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Sel. - Physics
JCS 6b
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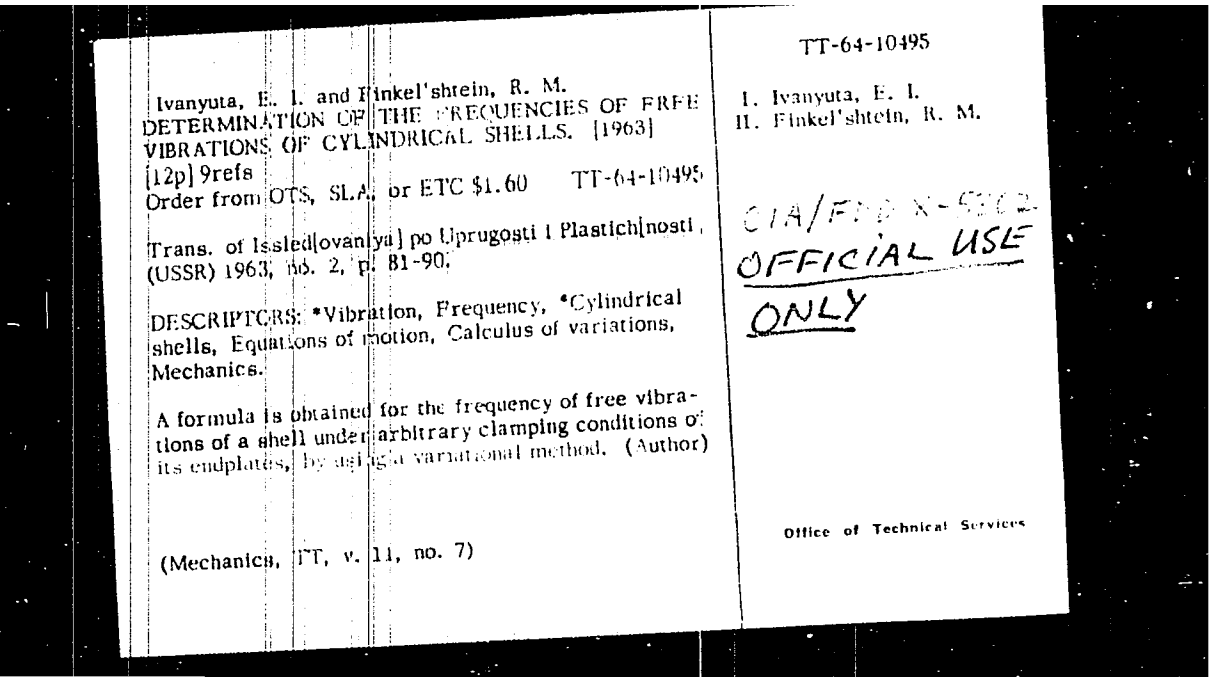

Ivanyuta, E. I. and Finkel'shtein, R. M.
DETERMINATION OF THE FREQUENCIES OF FREE VIBRATIONS OF CYLINDRICAL SHELLS. [1963]
[12p] 9refs
Order from OTS, SLA, or ETC $1.60 TT-64-10495

Trans. of Issled[ovaniya] po Uprugosti i Plastich[nosti], (USSR) 1963, no. 2, p. 81-90.

DESCRIPTORS: *Vibration, Frequency, *Cylindrical shells, Equations of motion, Calculus of variations, Mechanics.

A formula is obtained for the frequency of free vibrations of a shell under arbitrary clamping conditions of its endplates, by using a variational method. (Author)

(Mechanics, IT, v. 11, no. 7)

TT-64-10495

I. Ivanyuta, E. I.
II. Finkel'shtein, R. M.

CIA/FID X-5302
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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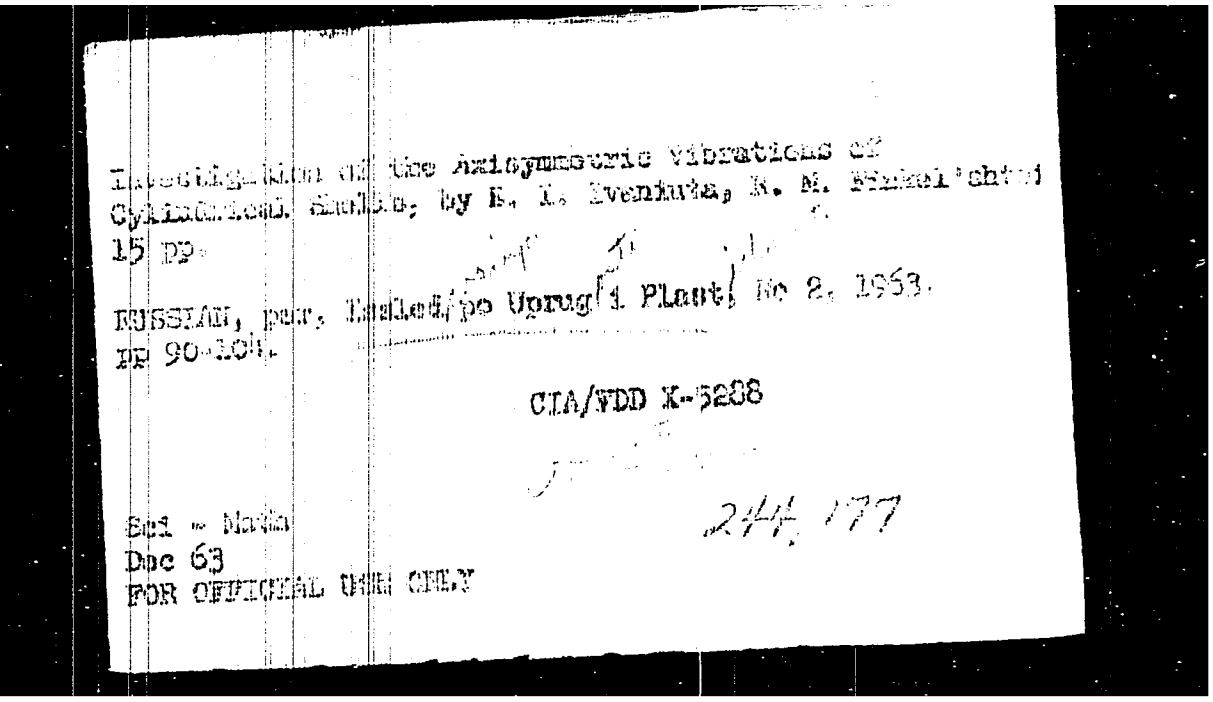

Investigation of the Axisymmetric Vibrations of Cylindrical Shells, by E. I. Grigolyuk, N. M. Bugakov
15 pp.

RUSSIAN, pub. Izdatel'stvo Oborongiz Plant, No 2, 1953.
DP 90-304.

CIA/VDD K-5288

244 177

Bel - Navy
Dec 63
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Ivanyuta, E. I. and Finkel'shtein, R. M.
ON THE INFLUENCE OF TANGENTIAL INERTIAL FORCES ON THE MAGNITUDE OF THE FREE-VIBRATIONS FREQUENCY OF A THIN CYLINDRICAL SHELL. [1963] [5p]
Order from OTS, SLA, or ETC $1.10 TT-64-10494

Trans. of Issled[ovaniya] po Uprug[osti] i Plastich-[nosti] (USSR) 1963, no. 2, p. 212-215.

DESCRIPTORS: *Vibration, Frequency, *Cylindrical shells, Inertia, Dynamics, Differential equations, Mechanics.

(Mechanics, TT, v. 11, no. 7)

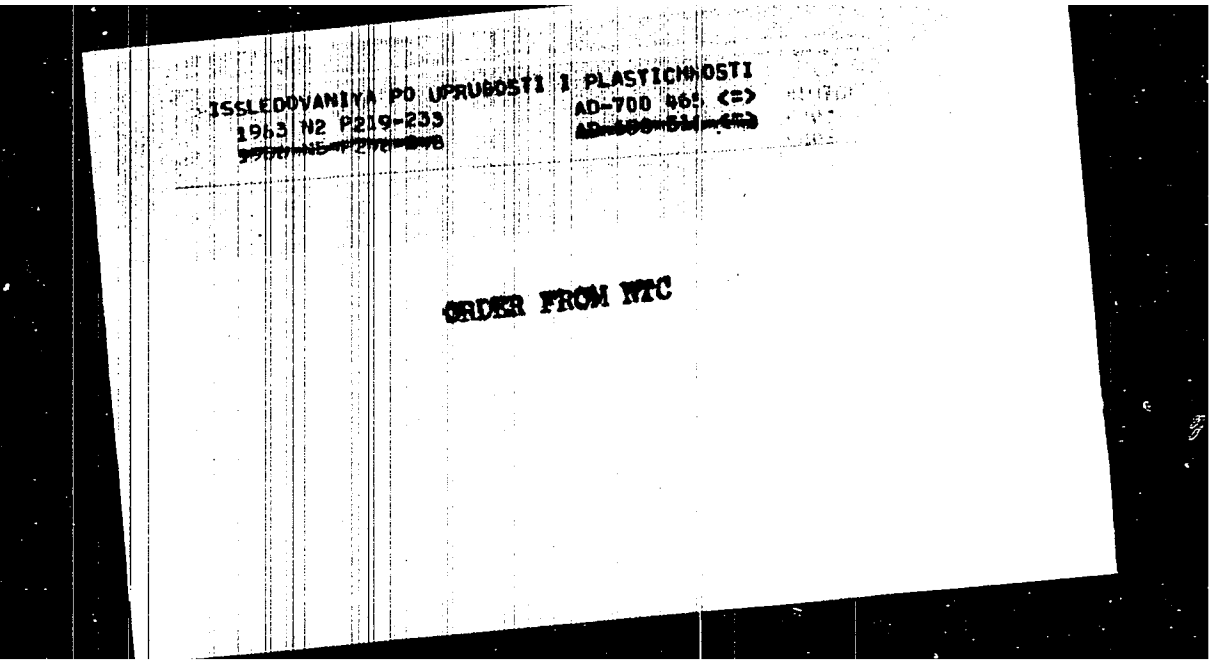
TT-64-10494

I. Ivanyuta, E. I.
II. Finkel'shtein, R. M.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1



APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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Mechanical Properties of Anisotropic Laminated Plastics During Short-Duration Tests, by N. T. Grotrin, V. M. Chebanov. 15 pp. RUSSIAN, per, Leningrad. Issledovaniya po Uprugosti i Plastichnosti, No 2, 1963, pp 219-233.
AIR/FTD/MT-24-161-69

sci/mechan engr
feb 70 402,670

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The Flexure of an Elasto-plastic Interlayer, by L. M. Kachanov.
RUSSIAN, per, Issled Po Uprogosti i Plastichenosti, 1963, No 3, pp 52-61.
NLL RTS 2648 (On Loan or Purchase)

Ag 65 288,094

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Effect of Failure Life of Components Exposed to a Liquid Metal Environment, by L. M. Kachanov. RUSSIAN, per, Issled Po Uprugosti i Plastichnosti, No 3, 1963, pp 225-231.
NLL RTS 2649

Sci - Chem Phys
Oct 67 342,710

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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Determination of the Free Oscillations of a Cylindrical Shell of elliptical Cross Section, by Ye. I. Ivanyuta. 8 pp.
RUSSIAN, per, Issled Uprugosti Plast, Vol 1, 1964, pp 46-51.
NASA TT F-12,548

Sci-Phys
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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On the Piezo-Optical Effect in Polymers under Simple Loading, by I. I. Bugakov, 26 pp. RUSSIAN, tk, Issledovaniya po Uprugosti i Plastichnosti, 1964, pp. 172-191. JPRS 31470

USSR
Sci-Chem
Aug 65

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Investigation of the Vibrations of a Conical Shell,
by I. A. Aldoshina, 6 pp.
RUSSIAN, per, Issled po Uprug i Plastich, No 3,
1964, pp 107-113.
CIA/FDD X-5455

Sci - Phys
Oct 64
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Vibration of a System of Masses Connected With a Cylindrical Shell, by M. M. Smirnov, 9 pp.
RUSSIAN, per, Issled po Uprug i Plastich, No 3, 1964, pp 114-123.
CIA/FDD X-5456

Sci - Phys
Oct 64
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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Vibrations of a Cylindrical Shell, by E. Ya. Kirin,
6 pp.
RUSSIAN, per, Issled po Uprug i Plastich, No 3, 1964,
pp 265-270.
CIA/FDD X-5454

Sci - Phys
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267,663

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

TRI 62-66

Issledovaniye Uskoriti Rezvitiya Penryada V., by Demirkhanov, et al.

RUSSIAN, Conference on Plasma Physics and Controlled Nuclear Fusion Research, Salzburg, Sep 4-9, 1961. IAEA CN-234

*TRS for AEC

Sci - Nuc Phys
Oct 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Study of the Stability of Plasma in the PR-5 Apparatus, by Yu. V. Gott, M. S. Ioffe, et al, 41 pp.
RUSSIAN, rpt, Issledovaniye Ustoichivosti Plazmy v Ustanovke PR-5, Moscow, 1964. 9226168
AEC-UCRL-Tr-1131(L)

Sci-Phys
Jan 65

270,607

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Investigation of SH Stability of Cylindrical Plasma Pitch, by V. I. Yashin, 13 pp.

RUSSIAN, bk, Issledovanie Ustoichivosti Tsilindricheskogo Plazmennogo Shnura, 1960. 90944

AEC Tr-4735

Sci - Phys
Feb 62

182,515

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Study of the Stability of a High Current Discharge
in Hydrogen at Low Intensities of the Electric Field,
by M. D. Bortsov, V. A. Suprunenko, E. A. Sykhomlin,
35 pp.

RUSSIAN, b/w, Issledovanie Ustoichivosti Vysokotokovogo
Razryada v Vodorode pri Malykh Napryazhennostyakh
Elektricheskogo Polya, 1960. 9093696

AEC UCRL Tr-683

177,434

Sci - Phys
Dec 61

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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Investigation of the Upper Layers of the Atmosphere.
RUSSIAN, rpt, Issledovaniye Verkhnikh Sloyev
Atmosfery i Kosmicheskogo Prostranstva,
No 2, 1964.
NASA TT F-229

Sci-Har Sci & Astron
Oct 64

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APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Research on the Hydrophysical Characteristics of Peat and on the Processes Involved in the Movement of Moisture in Peaty Soils, by M. P. Volarovich, N. V. Churayev.

RUSSIAN, bk, Issledovaniye vodno-Fizicheskikh Svoistv Torfa i Protsessov Peredvikheniya Vlagi v Torfyanistvkh Pochvakh, 1962, pp 171-185.

*AEC

Sci -

Jun 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Gantman, M. N.
IONEN DIAFRAGMA'S EN METHODES OM DEZE TE TESTEN (Ionitovye Diafragmy i Metody Ikh Ispytaniya) (Ion-Exchanging Diaphragms and Testing Methods).
63p. (foreign text included) 24 refs.
Order from OTS or ETC $2.15 63-26215

Trans. in Dutch of Issledovaniya po Vodopodgotovke (USSR) 1959, no. 3, p. 210-237.

DESCRIPTORS: Diaphragms. *Ion exchange, Electrochemistry, Quality control, *Desalination, Sea water.

(Engineering--Chemical, TT, v. 10, no. 10)

63-26215

I. Gantman, M. N.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

63-26214

Lenchevskii, O. S.
ELECTROCHEMISCHE DESILICATIE VAN WATER (Elektrokhimicheskoe Obeskremnivanie Vody) (Electrochemical Removal of Silicic Acids from Water). 7p. (foreign text included).
Order from OTS or ETC $0.80 63-26214

Trans. in Dutch of Issledovaniya po Vodopodgotovke (USSR) 1959, no. 3, p. 238-240.

DESCRIPTORS: *Silicic acids, Water, Separation, *Electrochemistry, Installation, Magnesium compounds

(Engineering--Chemical, TT, v. 10, no. 10)

I. Lenchevskii, O. S.

Office of Technical Services

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

Investigation of the Increment of Neutron Flux Density Obtained in the Breeding Zones at the Addition of an Extra Reflector Made of Various Substances, by M. N. Nikolayev, A. V. Zvonarev, et al.

RUSSIAN, paper, Issledovaniye Vodpora Neytronnogo Potoka v Zonakh Vosproizvodstva, Sozdavayemogo Dopolnitel'nymi Otrazhatelyami iz Razlichnykh Materialov. 2-6 Sep 1963. Rpt No SM-42/87.

*FTD-TT-63-977.

Sci - Nuc Sci

Oct 63

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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Investigation in the Drawing of Steel Rods, by P. I. Minin, 94 pp.

RUSSIAN, bk, Issledovaniye Volocheniya Prutkov Stali, 1948, pp 94

ATIC F-TS-9660/V

Sci - Min/Met
Apr 59

85, 003

APPROVED FOR RELEASE: Thursday, May 23, 2002 CIA-RDP91-00772R000100170035-1

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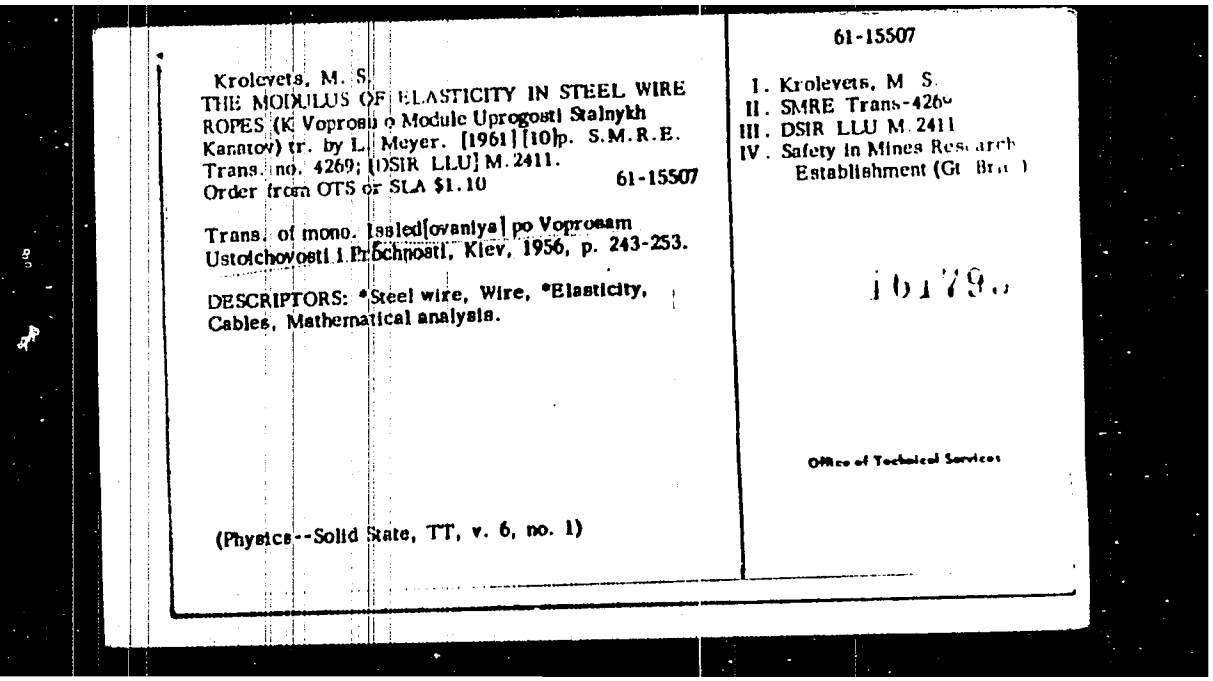

Krolevets, M. S.
THE MODULUS OF ELASTICITY IN STEEL WIRE ROPES (K Voprosu o Module Uprogosti Stalnykh Kanatov) tr. by L. Meyer. [1961] [10]p. S.M.R.E. Trans. no. 4269; [DSIR LLU] M.2411.
Order from OTS or SLA $1.10 61-15507

Trans. of mono. Issled[ovaniya] po Voprosam Ustoichovosti i Prochnosti, Kiev, 1956, p. 243-253.

DESCRIPTORS: *Steel wire, Wire, *Elasticity, Cables, Mathematical analysis.

(Physics--Solid State, TT, v. 6, no. 1)

61-15507

I. Krolevets, M. S.
II. SMRE Trans-4269
III. DSIR LLU M.2411
IV. Safety in Mines Research Establishment (Gt Brit.)

16179

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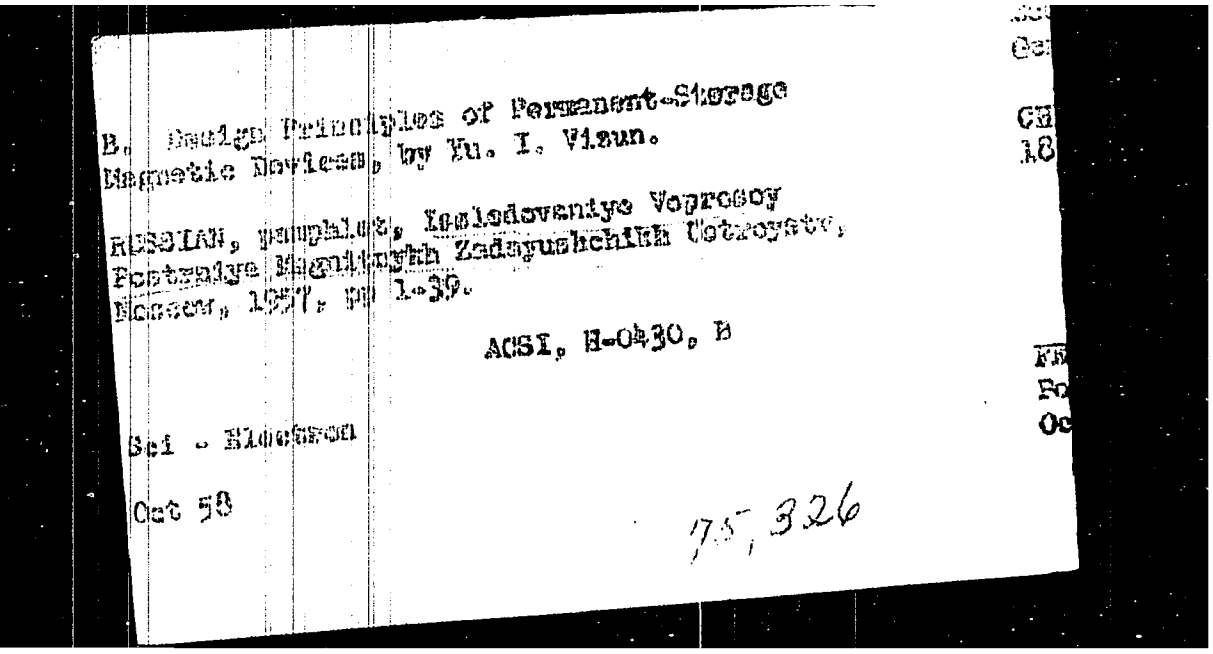

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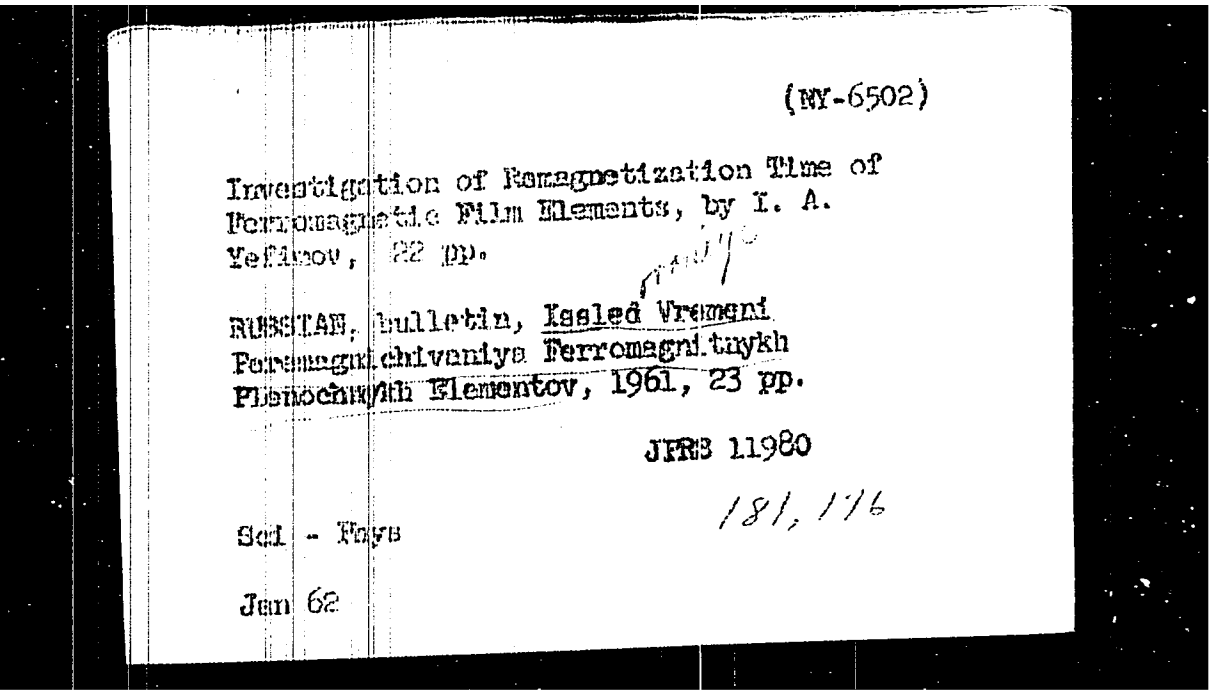

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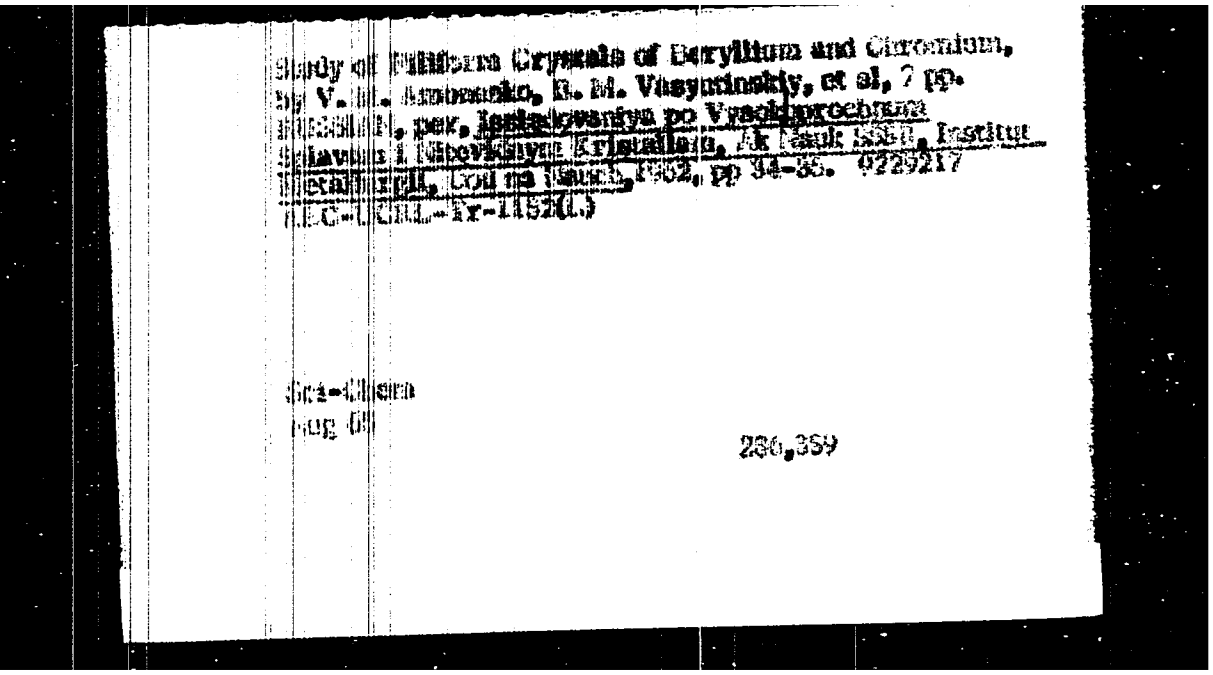

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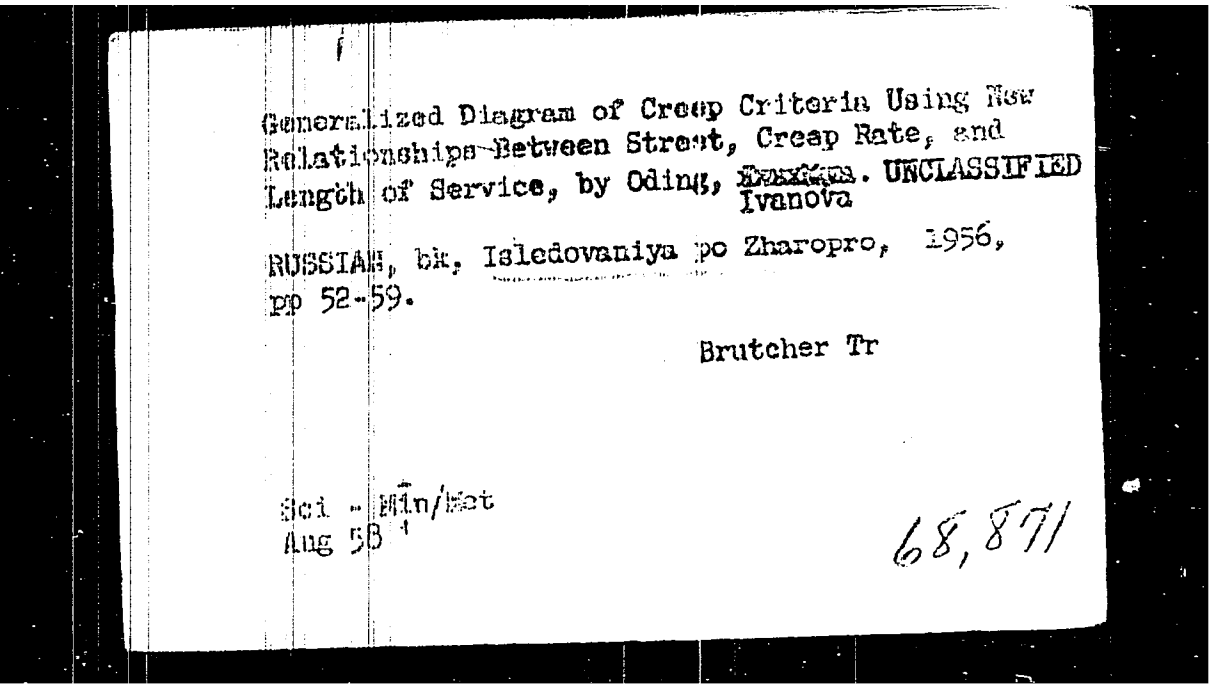

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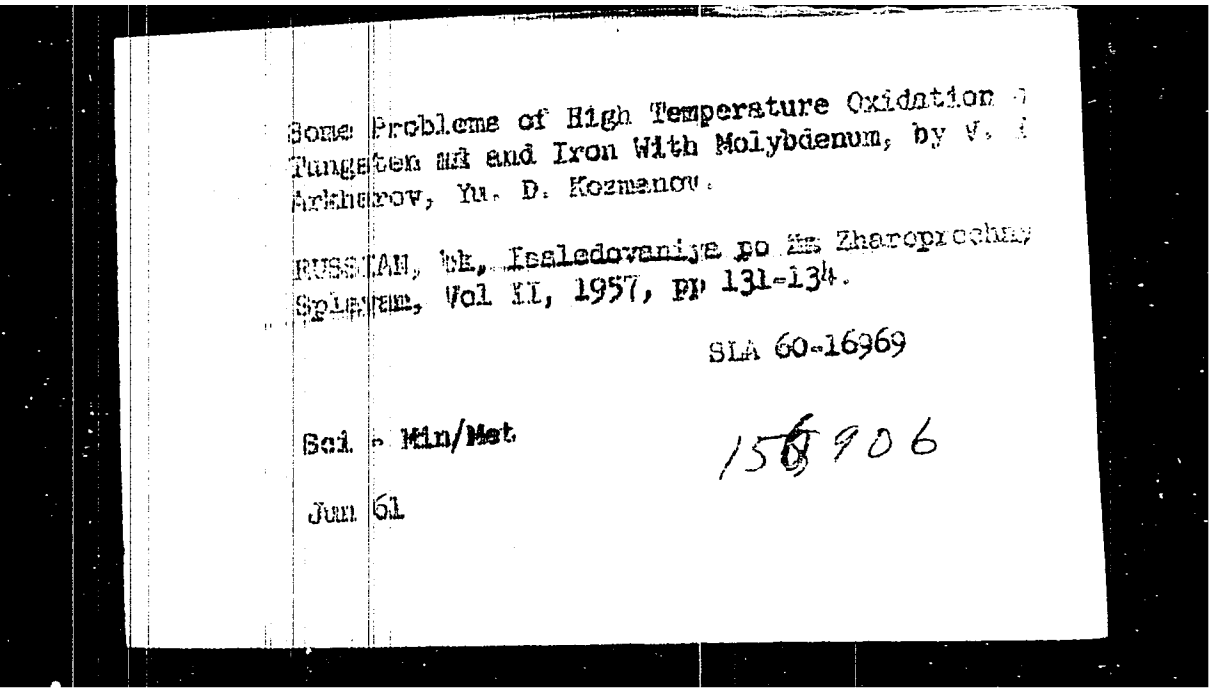

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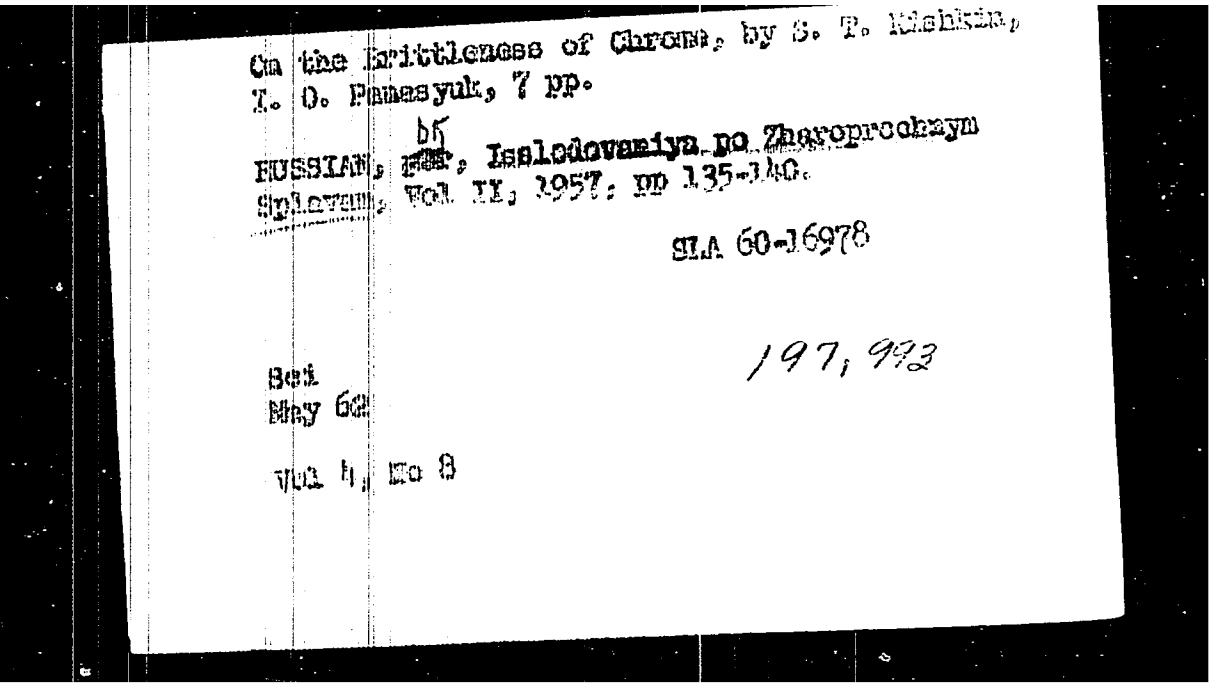

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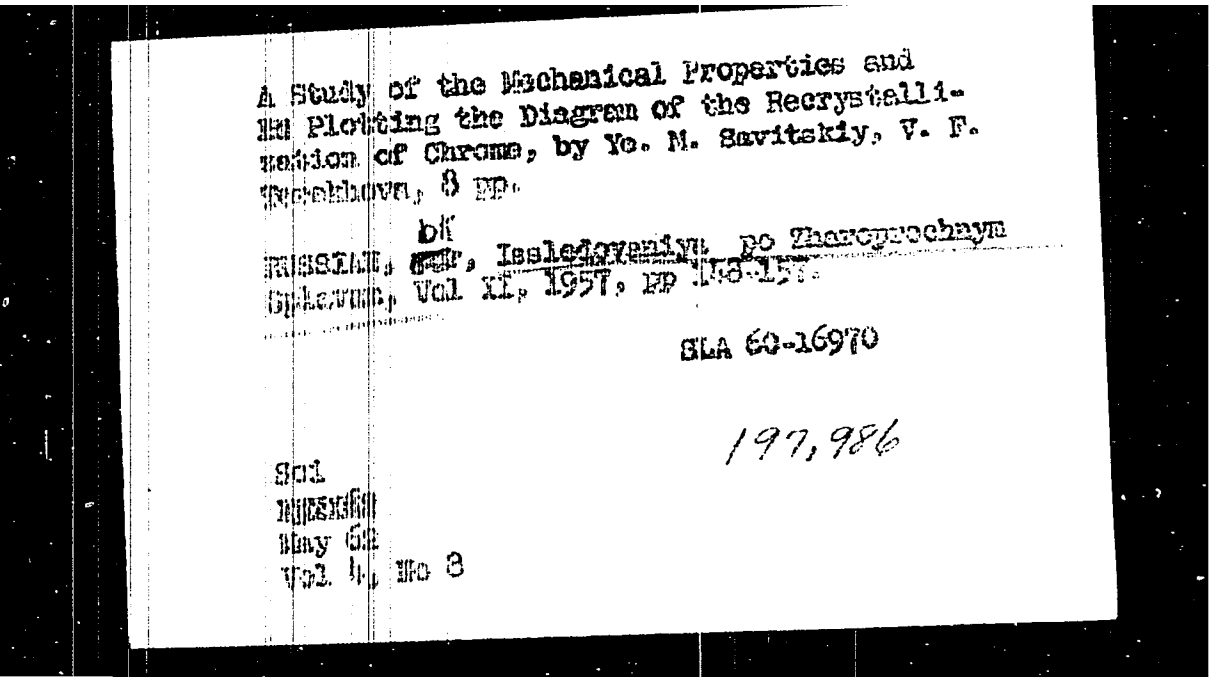

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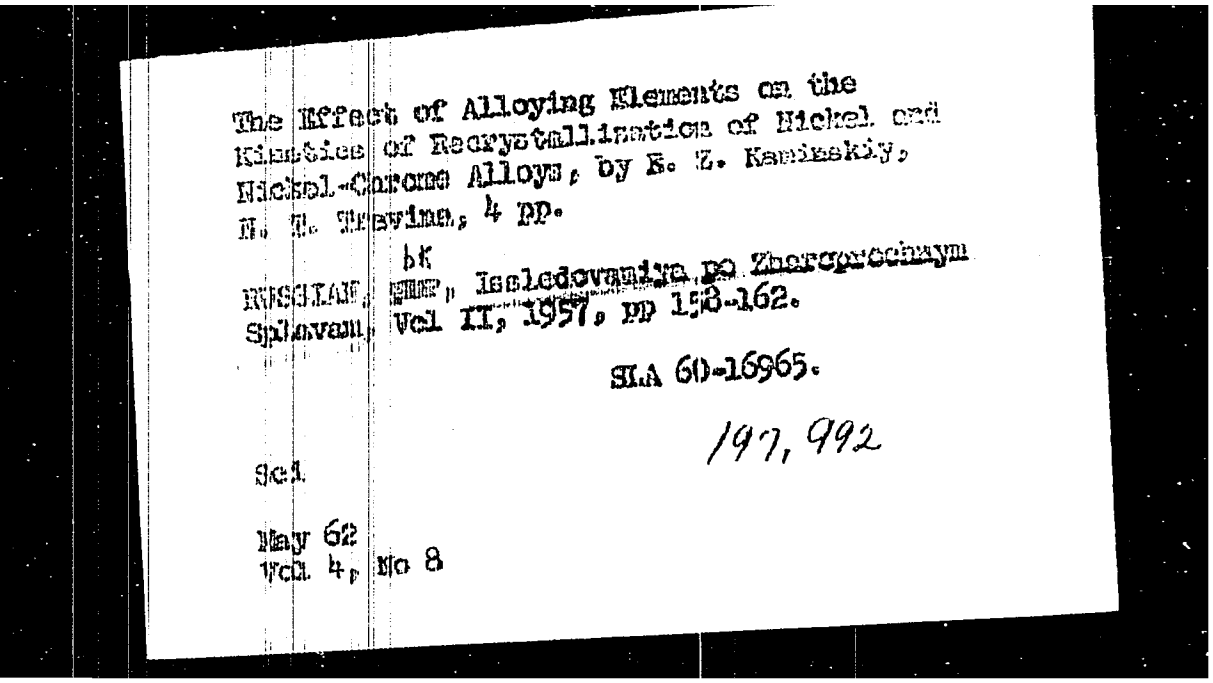

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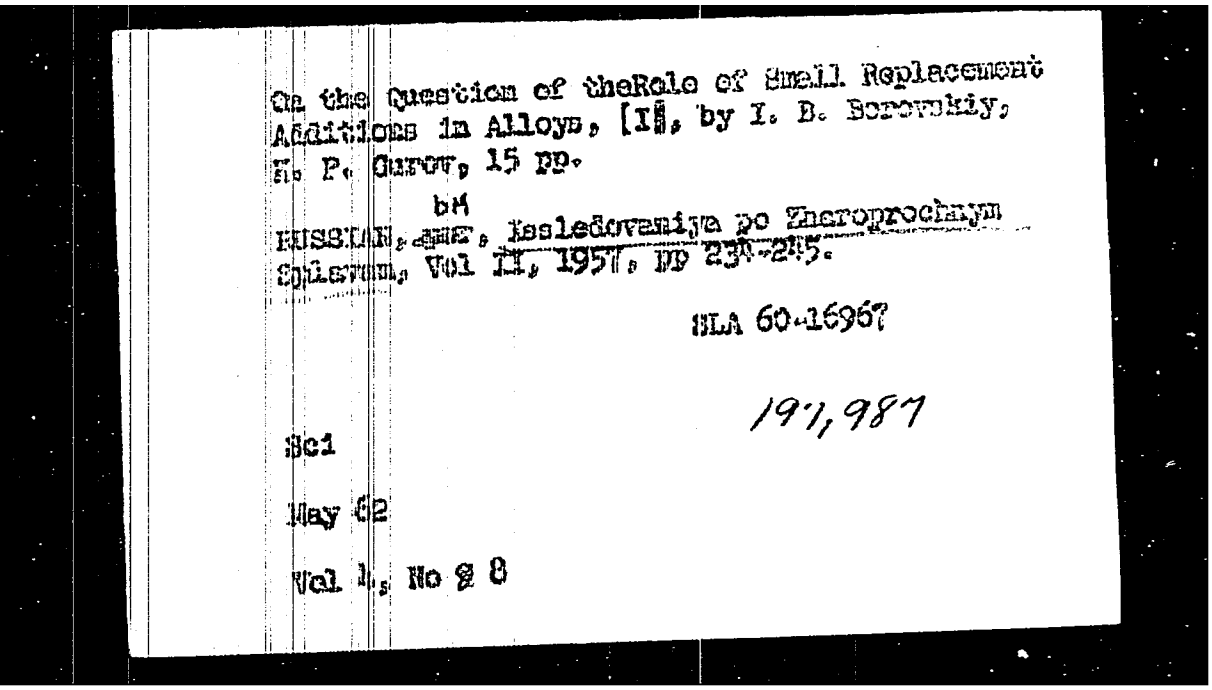

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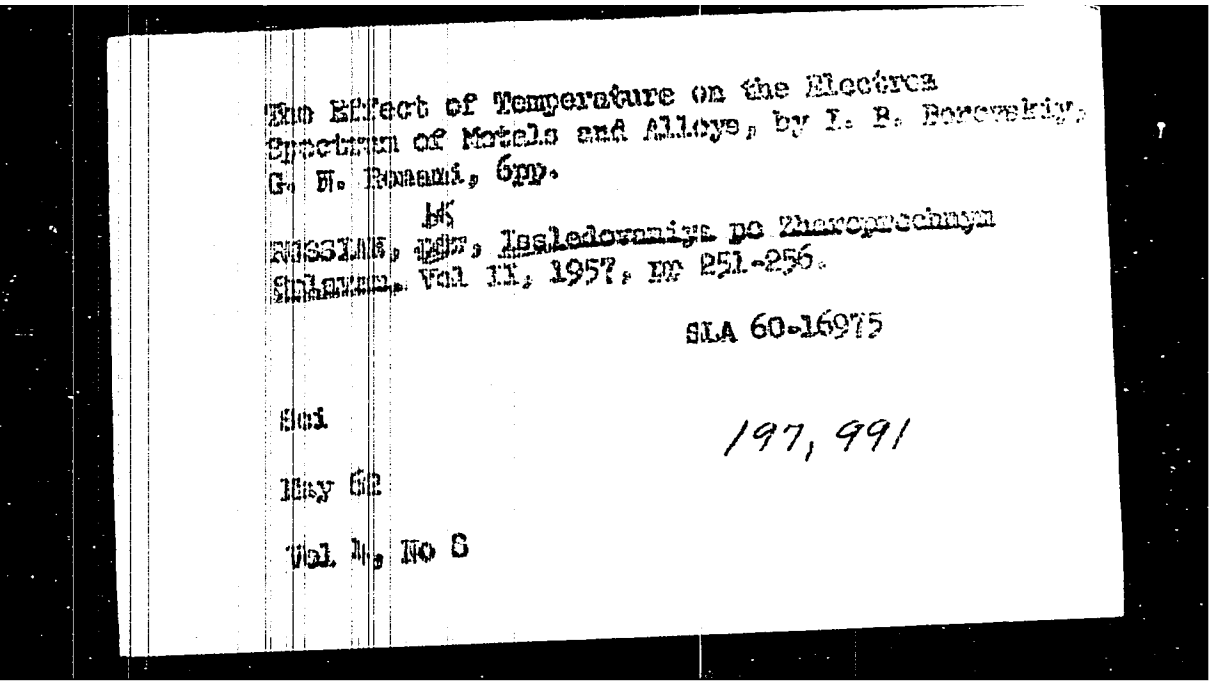

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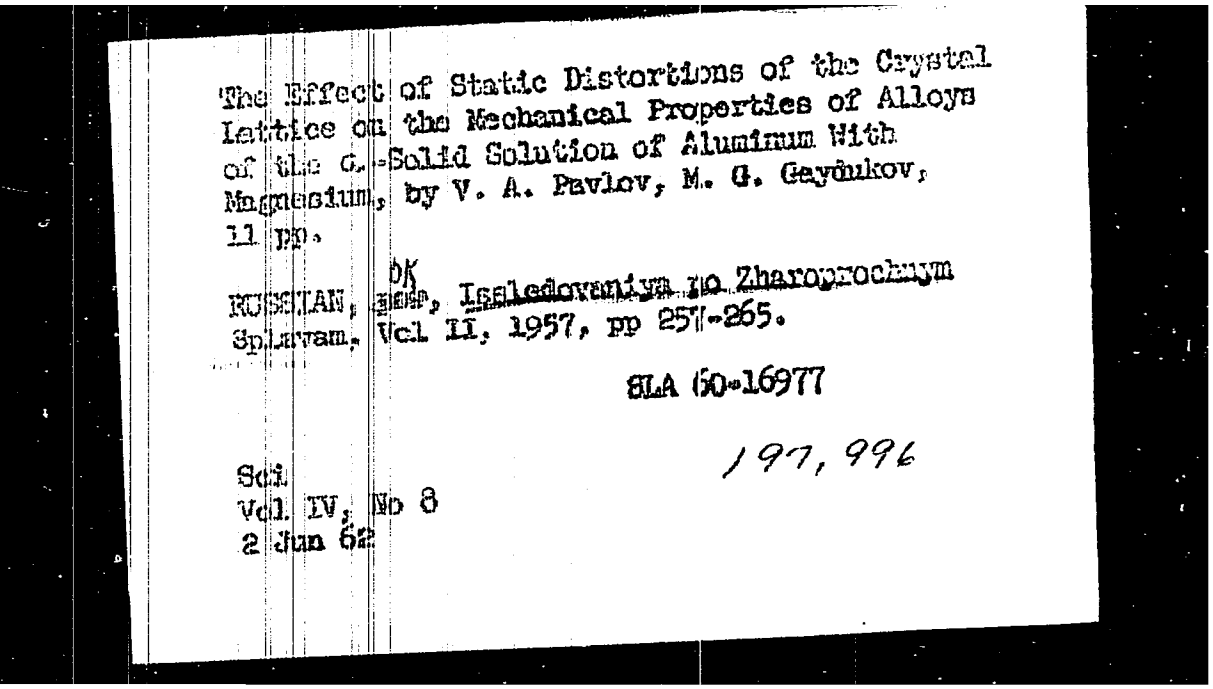

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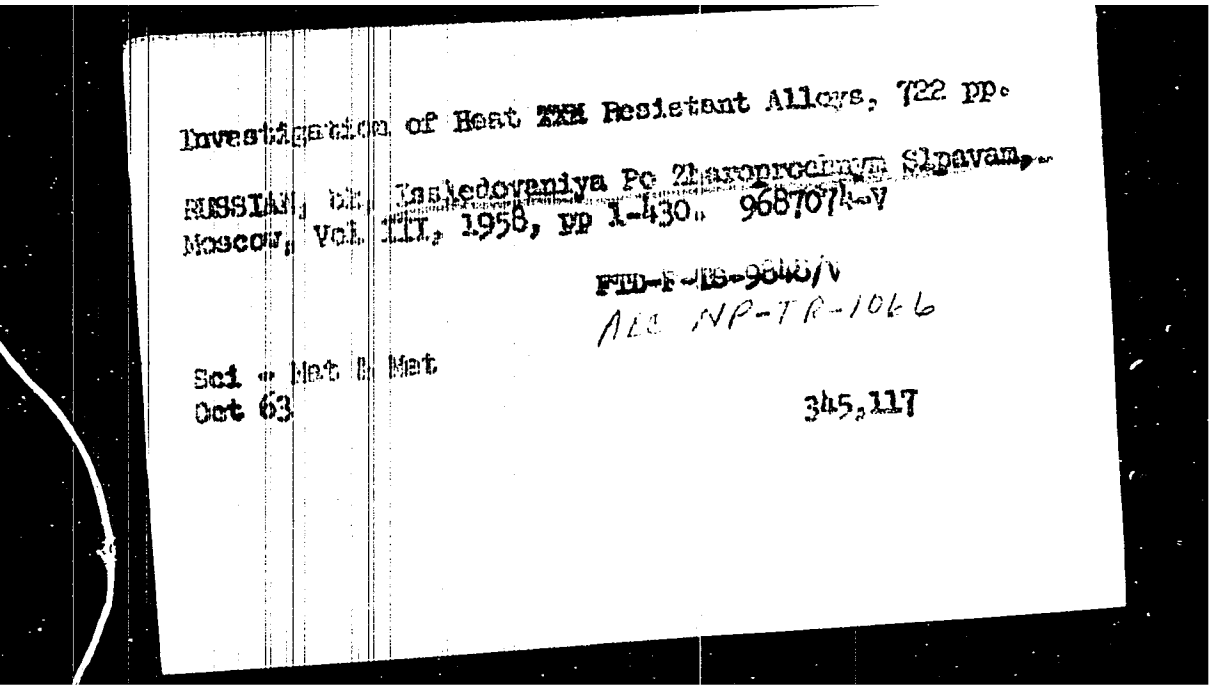

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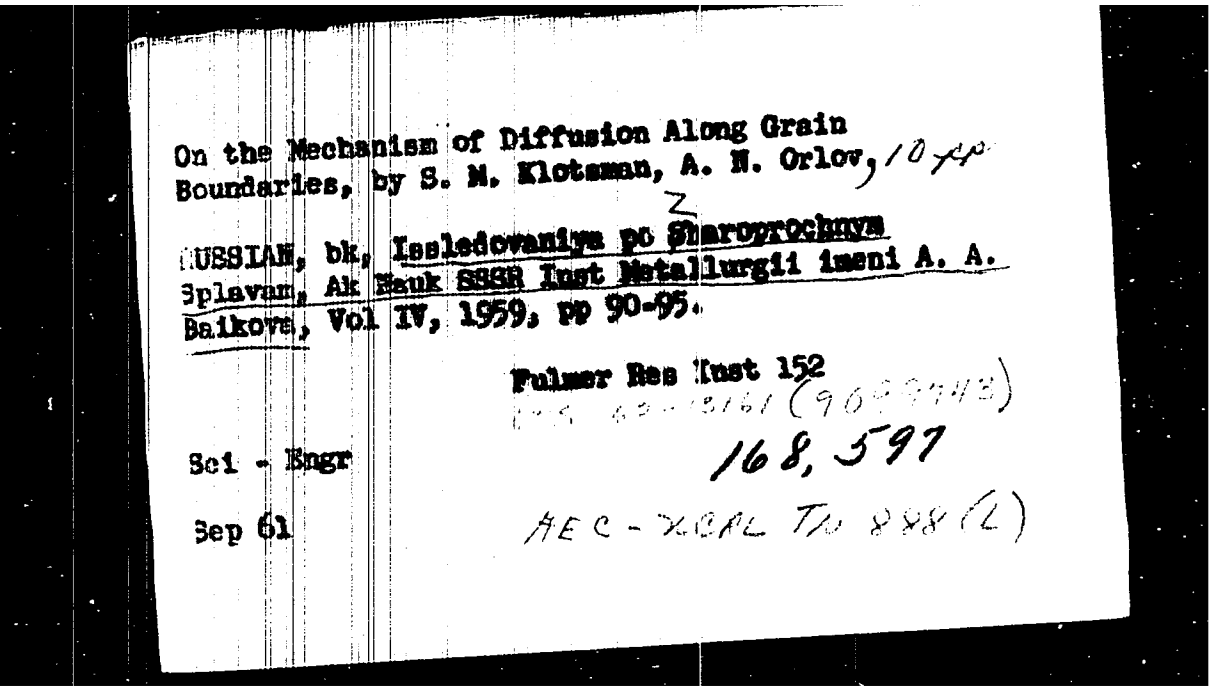

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2 Mar 62

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DESCRIPTORS: *Heat resistant alloys, *Gas turbines, Chemical analysis, Phase studies, Mechanical properties, Machining, Thermal stresses, Heat treatment, Hardness, Forging, Rupture, Aluminum, Titanium, Iron, Nickel, Cobalt, Chromium, Molybdenum, Tungsten, Boron compounds, Oxides

By increasing the Al/Ti ratio from about 1 to about 2, it was possible to reduce the precipitation of Ti from the α'-phase during prolonged heating and formation of
(Metallurgy, TT, v. 7, no. 5) (over)

61-27522

I. Tseitlin, V. Z.
II. Filatova, M. A.
III. DSIR LLU M. 3146
IV. International Nickel Co. (Mond) Ltd. (Gt. Brit.)

DSIR LLU M. 3146

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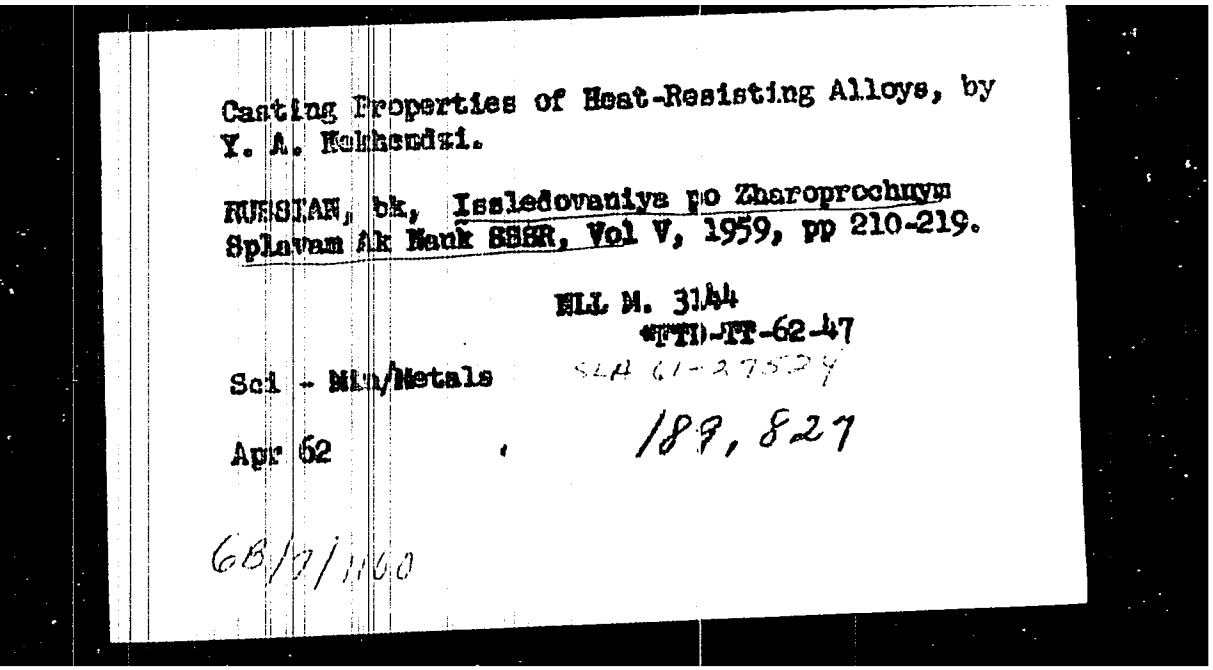

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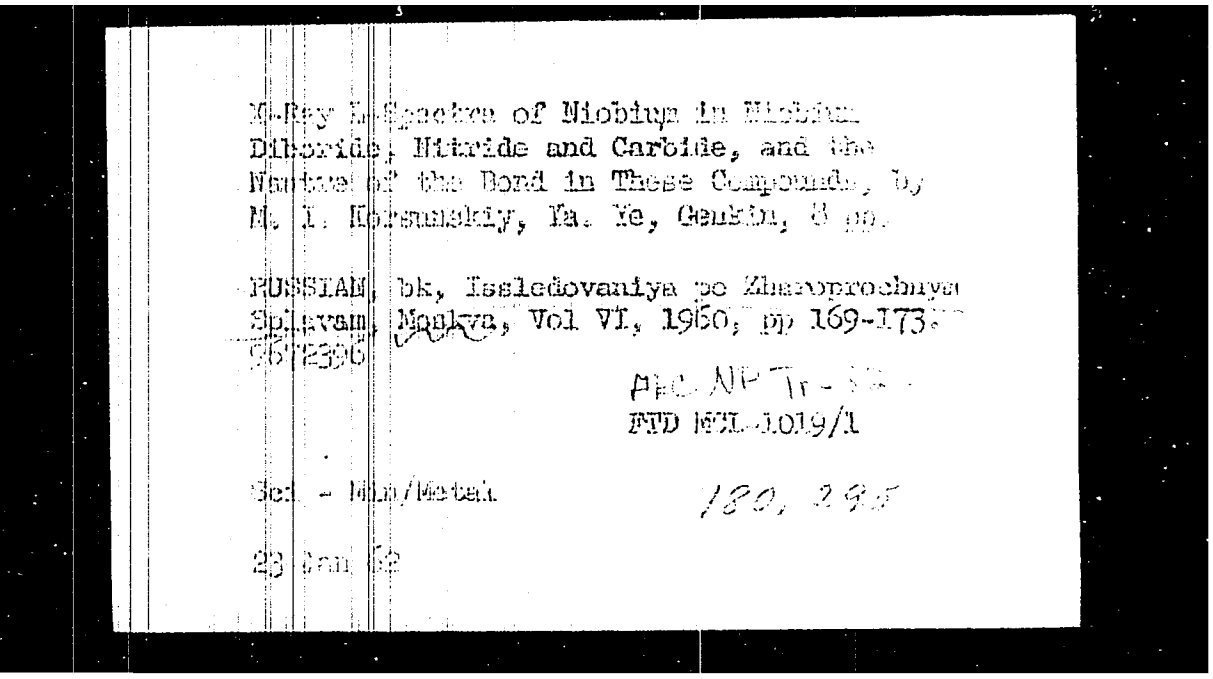

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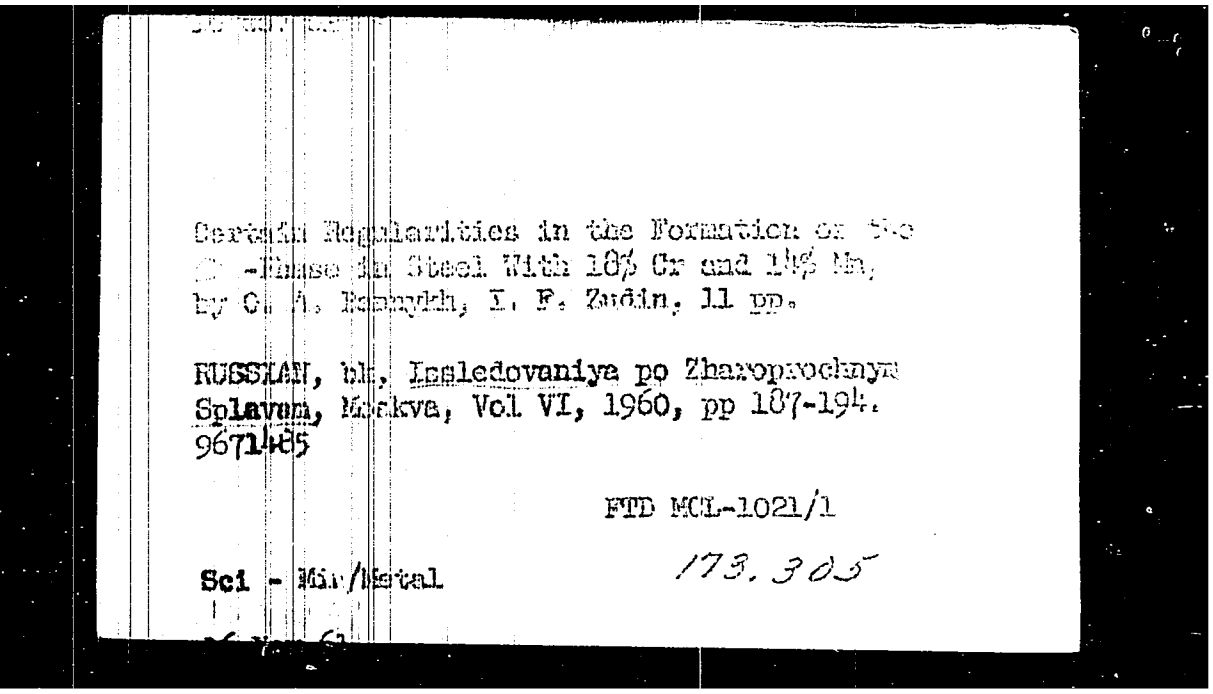

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